

TABLE 58

Higher education R&D expenditures in non-science and engineering fields, ranked by all FY 2023 non-S&E fields: FYs 2021–23 and by subfield for FY 2023

(Dollars in thousands)

Institution	Rank	2021	2022	2023									
				All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Non-S&E nec	
All institutions	-	5,118,609	5,862,482	6,904,991	1,218,052	253,609	2,042,372	846,919	430,807	416,735	283,750	1,412,747	
Arizona State U.	1	81,652	128,398	163,241	37,854	5,832	76,667	11,694	5,407	13,870	11,917	0	
U. Pennsylvania	2	139,396	139,339	146,054	79,067	11,225	15,332	11,402	12,108	0	3,921	12,999	
Harvard U.	3	109,083	111,157	138,179	36,108	3,687	47,420	22,073	24,364	0	4,527	0	
New York U.	4	76,810	115,115	124,024	8,788	0	31,012	26,973	40,785	5,849	1,734	8,883	
U. Wisconsin-Madison	5	85,191	95,771	115,891	13,381	8,154	39,358	19,710	6,555	951	3,153	24,629	
U. Kansas	6	80,837	86,502	114,437	1,594	1,085	89,662	1,771	34	18,065	847	1,379	
U. Michigan, Ann Arbor	7	118,228	121,582	110,536	17,515	1,989	12,852	26,770	8,961	9,378	4,334	28,737	
Vanderbilt U. and Vanderbilt U. Medical Center	8	50,702	77,399	105,876	11,318	0	59,988	2,370	9,254	0	10,060	12,886	
Florida State U.	9	77,689	88,449	103,341	15,532	3,103	45,173	11,743	4,709	14,763	5,504	2,814	
U. Utah	10	27,419	117,635	97,729	932	1,902	2,433	386	883	0	1,096	90,097	
U. Texas, Austin	11	70,185	65,855	96,169	7,436	13,623	29,939	7,839	2,080	11,364	446	23,442	
Virginia Commonwealth U.	12	72,243	82,129	95,945	7,461	64	27,287	17,221	0	2,652	13,415	27,845	
U. Virginia, Charlottesville	13	59,610	70,333	95,871	4,216	252	52,697	7,927	1,020	0	696	29,063	
U. California, Berkeley	14	52,025	74,758	87,562	23,571	8,606	22,839	4,962	26,173	0	581	830	
Syracuse U.	15	72,037	77,564	85,912	26,277	5,055	8,298	12,516	13,084	1,235	4,384	15,063	
U. California, Los Angeles	16	58,429	65,643	75,276	20,960	2,868	36,785	7,594	3,207	0	3,767	95	
U. Southern California	17	40,040	61,177	74,487	1,227	11,396	14,155	6,226	308	13,695	3,463	24,017	
U. Georgia	18	64,523	70,657	73,671	22,368	4,290	9,678	9,016	4,784	7,090	6,080	10,365	
U. North Carolina, Chapel Hill	19	45,359	56,417	73,449	3,237	2,315	18,326	6,323	207	19,167	1,867	22,007	
Georgia State U.	20	71,402	66,267	72,569	13,975	8,935	35,346	2,900	2,042	3,466	1,068	4,837	
Purdue U., West Lafayette	21	55,952	63,268	72,281	14,802	2,298	10,916	2,996	0	0	261	41,008	
Ohio State U.	22	59,506	73,945	71,409	6,451	372	28,063	3,231	2,259	10,083	2,023	18,927	
Texas State U.	23	31,997	52,359	71,212	5,041	0	10,165	3,898	43,956	0	0	8,152	
U. Maryland ^a	24	54,635	63,141	70,305	1,696	723	11,573	3,586	5,587	24,783	442	21,915	
U. Washington, Seattle	25	73,658	68,040	70,290	135	13,754	33,686	3,400	631	16,267	566	1,851	
U. South Florida	26	65,052	65,953	67,509	9,338	2,971	39,082	6,169	0	832	3,629	5,488	
George Washington U.	27	17,607	18,306	67,284	16,771	11	8,030	4,297	12,487	0	874	24,814	
Clemson U.	28	53,989	59,137	66,338	3,126	290	7,090	378	0	0	11	55,443	
Texas A&M U., College Station and Health Science Center	29	39,523	56,295	65,005	12,832	268	33,033	2,322	445	129	392	15,584	
Columbia U. in the City of New York	30	55,440	62,587	62,808	2,238	2,191	8,561	8,459	11,739	26,479	92	3,049	
U. Oklahoma, Norman and Health Science Center	31	45,990	54,089	62,775	11,976	2,157	19,608	5,551	1,746	2,016	4,466	15,255	
Cornell U.	32	40,205	49,756	59,047	20,570	7,256	457	3,039	1,195	0	337	26,193	

TABLE 58

Higher education R&D expenditures in non-science and engineering fields, ranked by all FY 2023 non-S&E fields: FYs 2021–23 and by subfield for FY 2023

(Dollars in thousands)

Institution	Rank	2021	2022	2023								
				All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Non-S&E nec
Michigan State U.	33	37,274	39,370	55,669	6,979	5,949	18,459	6,910	0	3,022	472	13,878
U. Notre Dame	34	25,936	38,564	54,778	6,220	0	75	9,657	3,013	0	835	34,978
Texas Tech U.	35	46,832	57,545	53,851	17,782	3,236	19,222	4,292	1,943	0	3,300	4,076
U. California, San Diego	36	40,402	26,391	53,426	7,971	1,076	15,476	3,211	0	0	1,813	23,879
U. Florida	37	40,461	44,949	52,838	3,096	3,447	24,176	6,905	173	2	3,047	11,992
Georgetown U.	38	30,603	44,734	52,739	15,598	311	912	4,199	30,362	0	0	1,357
U. Minnesota, Twin Cities	39	38,218	42,387	51,985	19,599	460	16,727	3,936	3,061	1,237	356	6,609
Massachusetts Institute of Technology	40	52,737	48,875	49,982	8,591	0	27,583	1,233	0	165	150	12,260
Stanford U.	41	44,474	44,597	48,715	549	831	44,601	629	1,778	0	255	72
U. Missouri, Columbia	42	34,279	34,489	47,845	613	2,678	29,269	589	186	892	381	13,237
U. South Carolina, Columbia	43	46,932	44,972	47,718	8,523	1,891	10,184	6,825	651	2,053	4,188	13,403
U. Illinois, Urbana-Champaign	44	35,349	38,841	46,838	4,621	445	6,389	5,829	1,327	8,660	1,922	17,645
Boston U.	45	26,605	34,597	46,736	7,238	743	15,922	12,128	4,380	5,062	421	842
Brigham Young U., Provo	46	4,163	4,876	46,372	12,233	189	4,831	15,055	2,507	342	3,646	7,569
Auburn U., Auburn	47	36,980	41,056	46,129	18,798	1,197	4,525	7,322	0	440	1	13,846
Washington State U.	48	33,017	45,834	44,791	10,765	5,474	25,115	1,501	197	695	75	969
U. Louisiana, Lafayette	49	32,651	40,623	44,707	13,885	1,362	14,497	10,219	0	261	2,640	1,843
Pennsylvania State U., University Park and Hershey Medical Center	50	34,537	37,651	44,362	7,865	1,933	25,309	5,123	2,113	959	1,060	0
Dartmouth C. and Dartmouth Hitchcock Medical Center	51	37,247	38,778	42,799	16,524	0	162	17,174	0	0	2,103	6,836
U. Texas, San Antonio	52	47,330	35,646	42,732	7,685	1,226	9,169	4,052	0	3,947	865	15,788
Indiana U., Bloomington	53	36,185	38,886	42,637	7,071	1,607	5,036	3,064	1,254	0	6,723	17,882
U. Alabama, Tuscaloosa	54	29,799	40,440	41,017	11,919	2,675	9,731	4,813	2,076	4,557	2,803	2,443
U. Nebraska, Lincoln and Medical Center ^b	55	na	na	40,293	10,061	1,236	5,254	7,620	3,353	0	5,593	7,176
American U.	56	36,404	35,931	40,180	6,441	4,990	3,826	2,498	10,116	0	689	11,620
Northwestern U.	57	25,077	32,235	39,291	15,511	3,353	12,464	4,761	1,509	0	1,693	0
Rutgers, State U. New Jersey, New Brunswick	58	28,675	30,129	38,303	3,973	1,685	13,108	4,978	0	4,965	142	9,452
Oklahoma State U., Stillwater	59	46,863	35,302	38,120	16,683	2,257	2,801	6,006	0	0	1,064	9,309
U. California, Irvine	60	36,272	31,745	36,821	1,038	0	24,019	8,202	1,472	0	2,090	0
U. Iowa	61	31,735	33,562	36,288	8,882	1,045	11,668	6,479	1,063	603	475	6,073
Washington U., Saint Louis	62	28,558	30,865	35,829	253	0	212	444	78	34,695	70	77
U. Colorado Boulder	63	28,679	36,566	35,426	1,850	835	29,644	1,319	334	105	0	1,339
U. Houston	64	24,693	31,473	35,336	2,080	724	8,475	3,313	1,466	7,271	621	11,386
San Diego State U.	65	21,399	27,673	35,318	8,089	1,730	8,097	5,693	0	4,790	2,509	4,410

TABLE 58

Higher education R&D expenditures in non-science and engineering fields, ranked by all FY 2023 non-S&E fields: FYs 2021–23 and by subfield for FY 2023

(Dollars in thousands)

Institution	Rank	2021	2022	2023									
				All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Non-S&E nec	
U. Arizona	66	28,655	30,072	34,451	10,608	557	7,794	4,539	3,647	0	5,012	2,294	
U. Tennessee, Knoxville	67	28,899	31,439	34,040	11,544	3,195	3,838	6,436	2,317	1,288	2,233	3,189	
Iowa State U.	68	25,604	24,896	32,542	17,186	822	2,654	7,180	0	0	1,829	2,871	
U. Memphis	69	16,971	17,033	32,482	3,297	379	2,783	3,119	886	1,029	1,882	19,107	
U. Cincinnati	70	20,882	23,750	31,433	3,618	151	7,338	4,379	228	0	208	15,511	
U. Oregon	71	30,203	31,289	30,648	3,784	1,626	15,173	881	1,178	0	504	7,502	
Northeastern U.	72	12,311	20,199	30,558	9,626	1,929	6,130	1,530	3,717	0	794	6,832	
U. North Texas, Denton	73	24,514	27,017	30,187	10,208	305	3,432	5,063	0	0	6,750	4,429	
U. Arkansas, Fayetteville	74	22,171	20,062	29,354	4,149	87	10,448	0	584	1,575	10	12,501	
U. Central Florida	75	36,435	35,796	28,938	12,125	1,008	7,946	2,906	317	1,736	1,311	1,589	
U. Mississippi	76	11,646	29,426	28,700	12,179	755	3,272	4,564	3,641	291	1,499	2,499	
Boston C.	77	19,430	22,395	27,605	258	81	17,200	712	192	8,160	70	932	
Georgia Institute of Technology	78	28,320	23,468	27,565	1,273	4,985	15,197	471	14	0	1,089	4,536	
George Mason U.	79	21,002	27,597	27,200	2,749	1,854	4,465	2,674	14,990	45	281	142	
U. Massachusetts, Boston	80	26,602	27,462	27,187	662	44	24,972	872	0	224	412	1	
SUNY, U. Buffalo	81	18,083	22,651	26,090	8,572	451	15,297	825	327	246	54	318	
Florida International U.	82	30,202	31,959	25,466	9,996	1,043	4,550	4,497	1,245	484	1,859	1,792	
Virginia Polytechnic Institute and State U.	83	10,563	18,633	24,597	4,983	103	2,639	306	0	0	743	15,823	
SUNY, U. Albany	84	14,148	24,923	24,414	5,055	1,248	6,319	5,787	0	2,512	1,156	2,337	
Montana State U., Bozeman	85	18,838	19,869	24,358	2,007	70	5,062	1,799	0	0	1,201	14,219	
U. Delaware	86	6,877	24,548	23,965	1,010	2,106	6,682	11,270	0	0	2,377	520	
U. Denver	87	17,378	20,867	23,859	0	32	6,544	507	292	14,695	774	1,015	
U. North Carolina, Charlotte	88	4,419	4,862	23,809	4,995	744	6,292	5,061	0	986	1,281	4,450	
Baylor U.	89	6,722	14,487	23,664	3,838	658	1,689	14,572	0	1,267	814	826	
CUNY, Graduate Center	90	913	3,628	23,377	1,049	0	3,196	12,030	0	359	4,455	2,288	
Louisiana State U., Baton Rouge	91	13,166	11,158	23,348	1,594	751	687	737	663	1,021	3,378	14,517	
U. West Florida	92	25,768	24,425	23,286	21,053	17	2,026	0	25	53	14	98	
Illinois State U.	93	16,488	17,699	23,274	111	29	20,573	187	0	780	61	1,533	
U. Texas, Arlington	94	20,484	20,034	22,730	4,337	109	1,927	809	0	6,195	222	9,131	
Southern Methodist U.	95	15,962	20,226	22,513	3,667	46	9,063	1,529	4,023	0	3,190	995	
U. Texas, El Paso	96	22,518	23,509	22,347	5,534	1,711	5,959	3,213	0	1,073	1,652	3,205	
East Tennessee State U.	97	1,053	967	22,267	253	0	244	0	0	0	0	21,770	
San Jose State U.	98	11,569	16,508	22,249	12,327	362	3,649	4,891	0	188	4	828	

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Higher education R&D expenditures in non-science and engineering fields, ranked by all FY 2023 non-S&E fields: FYs 2021–23 and by subfield for FY 2023

(Dollars in thousands)

Institution	Rank	2021	2022	2023								
				All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Non-S&E nec
U. Illinois, Chicago	99	17,681	17,810	22,085	714	357	4,476	8,933	6	3,783	638	3,178
U. Massachusetts, Amherst	100	12,637	21,731	21,006	1,649	505	5,455	2,625	15	0	507	10,250
Mississippi State U.	101	17,231	20,002	20,458	8,461	883	4,109	3,342	253	471	950	1,989
U. North Carolina, Greensboro	102	18,041	19,100	19,228	92	13	15,748	619	0	1,054	101	1,601
SUNY, Binghamton U.	103	14,075	20,383	19,194	1,784	331	2,474	9,164	0	285	2,565	2,591
CUNY, City C.	104	2,183	4,998	18,951	0	0	1,398	27	289	8,378	53	8,806
U. Nevada, Reno	105	16,820	15,943	18,178	5,123	284	3,750	1,024	3,986	260	1,773	1,978
Princeton U.	106	14,796	16,760	17,938	0	41	1	13,340	0	0	3,005	1,551
Duke U.	107	15,403	15,868	17,811	11,788	0	41	2,985	1,054	0	152	1,791
Carnegie Mellon U.	108	15,836	17,006	17,696	9,224	69	688	5,079	0	0	2,529	107
Brown U.	109	12,193	12,850	17,465	16	0	7,639	3,237	0	0	464	6,109
Florida Gulf Coast U.	110	3,140	3,879	17,395	1,467	0	12,913	30	0	0	60	2,925
Emory U.	111	9,982	20,078	17,360	673	454	923	9,135	1,305	0	3,785	1,085
Wichita State U.	112	17,381	16,009	16,960	1,812	134	444	1,575	0	133	1,214	11,648
North Carolina State U.	113	17,811	15,453	16,870	0	0	11,240	5,630	0	0	0	0
Kent State U.	114	14,368	15,735	16,693	5,298	1,392	4,713	2,110	47	0	1,211	1,922
Tulane U.	115	13,338	15,158	16,517	1	126	0	1,848	5,504	0	698	8,340
U. Nevada, Las Vegas	116	26,894	22,489	16,489	5,130	492	3,359	3,037	0	177	393	3,901
CUNY, John Jay C. of Criminal Justice	117	9,883	11,352	16,471	0	0	8	447	15,443	0	12	561
Temple U.	118	19,778	19,912	16,351	4,389	516	4,040	396	2,359	1,170	463	3,018
U. Vermont	119	13,013	14,448	16,080	3,960	577	3,089	6,434	0	239	1,624	157
U. California, Davis	120	12,023	13,147	15,898	206	763	8,871	647	263	0	5,146	2
Fordham U.	121	11,252	12,878	15,569	3,911	252	1,381	3,808	4,214	945	98	960
Yale U.	122	17,371	8,568	15,454	864	0	4,923	6,816	222	0	397	2,232
Kennesaw State U.	123	4,719	5,577	15,451	4,217	1	1,717	6,153	0	2,725	590	48
Florida A&M U.	124	11,179	8,850	15,443	685	0	3,591	0	576	0	0	10,591
California State U., East Bay	125	4,748	11,585	15,280	2,470	169	9,744	294	0	158	284	2,161
U. Kentucky	126	10,441	13,160	14,966	4,124	361	1,303	1,948	45	1,938	930	4,317
U. California, Santa Barbara	127	16,161	12,454	14,915	8,201	154	4,575	1,716	1	0	212	56
Kansas State U.	128	13,647	13,919	14,655	2,041	506	3,588	1,532	0	0	1,190	5,798
Colorado State U., Fort Collins	129	15,066	11,372	14,637	202	286	7,243	3,811	365	523	340	1,867
U. Connecticut	130	6,239	10,677	14,593	921	264	2,667	1,767	118	5,657	1,061	2,138
U. Louisville	131	12,590	12,133	14,407	3,222	392	3,126	959	357	3,367	883	2,101

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Higher education R&D expenditures in non-science and engineering fields, ranked by all FY 2023 non-S&E fields: FYs 2021–23 and by subfield for FY 2023

(Dollars in thousands)

Institution	Rank	2021	2022	2023										
				All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Non-S&E nec		
Indiana U.-Purdue U., Indianapolis	132	6,475	7,478	14,045	2,689	238	1,839	846	269	4,632	588	2,944		
Johns Hopkins U. ^c	133	6,448 i	10,120 i	13,955 i	0 i	0 i	0 i	13,819 i	0 i	0 i	0 i	136 i		
Chapman U.	134	9,226	12,712	13,896	805	402	2,708	461	337	0	1,176	8,007		
U. Texas, Dallas	135	9,866	10,177	13,762	10,684	0	1,722	1,356	0	0	0	0		
U. North Dakota	136	10,565	11,435	13,731	1,150	1,125	5,819	1,639	1,703	198	736	1,361		
U. New Hampshire	137	14,573	14,692	13,387	4,783	638	2,707	3,627	0	588	556	488		
Drexel U.	138	8,650	9,359	13,272	131	52	3,167	769	21	0	397	8,735		
Montclair State U.	139	5,920	11,396	13,215	2,621	674	3,338	3,777	47	557	1,523	678		
U. Texas Rio Grande Valley	140	9,737	11,699	13,155	3,143	393	2,092	947	0	671	1,446	4,463		
Wayne State U.	141	12,825	11,251	12,854	332	54	1,360	259	27	7,860	192	2,770		
Georgia Southern U.	142	11,909	12,207	12,553	3,736	251	3,335	2,560	464	16	1,572	619		
U. Chicago	143	8,646	13,451	12,443	1,991	0	4,387	698	362	4,646	61	298		
U. Maryland, Baltimore County	144	2,760	9,562	11,975	532	266	4,172	4,401	0	340	1,405	859		
Brandeis U.	145	14,906	15,399	11,447	2,973	48	767	3,373	45	0	871	3,370		
U. Montana, Missoula	146	9,277	11,706	11,422	981	301	2,218	1,153	781	4,295	2	1,691		
West Virginia U.	147	8,956	8,001	11,421	1,564	298	1,760	514	425	434	54	6,372		
U. Maine	148	10,082	10,851	11,238	1,992	1,038	2,122	2,291	0	761	594	2,440		
U. Alabama, Birmingham	149	7,879	11,712	11,221	0	1	8,745	0	0	0	0	2,475		
U. North Florida	150	10,424	9,343	11,042	3,660	32	6,618	324	0	0	180	228		
Marquette U.	151	7,718	9,767	10,993	1,317	1,146	164	3,040	1,125	0	1	4,200		
North Dakota State U.	152	14,067	8,936	10,955	6,850	662	490	1,048	0	0	569	1,336		
Rensselaer Polytechnic Institute	153	8,476	7,477	10,647	5,176	15	0	0	0	0	986	4,470		
U. Wyoming	154	972	7,226	10,226	2,612	389	1,524	840	1,325	234	1,368	1,934		
U. Pittsburgh, Pittsburgh	155	10,594	10,492	10,205	490	51	5,328	696	144	1,108	22	2,366		
William & Mary	156	10,738	11,811	10,192	830	0	5,354	1,578	1,641	0	44	745		
U. Rhode Island	157	9,030	13,913	10,148	1,816	1,885	3,185	737	391	790	0	1,344		
Western Michigan U. and Homer Stryker M.D. School of Medicine	158	7,642	6,918	10,147	47	0	6,249	3,142	0	175	58	476		
Saint Louis U.	159	3,535	3,175	10,096	262	205	4,615	1,752	265	719	8	2,270		
Cleveland State U.	160	5,477	7,970	10,080	2,354	232	1,796	3	169	1,354	0	4,172		
Florida Atlantic U.	161	3,491	3,155	9,983	5,048	1	793	19	0	118	0	4,004		
Tufts U.	162	3,927	4,449	9,972	13	0	1,375	2,731	1,908	0	236	3,709		
U. Alabama, Huntsville	163	7,902	8,906	9,928	3,213	119	5,321	893	4	0	378	0		
North Carolina A&T State U.	164	5,562	6,482	9,786	1,466	0	2,675	0	0	431	0	5,214		

TABLE 58

Higher education R&D expenditures in non-science and engineering fields, ranked by all FY 2023 non-S&E fields: FYs 2021–23 and by subfield for FY 2023

(Dollars in thousands)

Institution	Rank	2021	2022	2023								
				All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Non-S&E nec
James Madison U.	165	6,000	5,976	9,645	1,572	815	2,678	1,372	0	0	1,931	1,277
U. California, Santa Cruz	166	3,776	4,989	9,544	0	288	1,184	4,874	0	0	3,198	0
Portland State U.	167	8,215	8,466	9,513	0	172	3,618	3	0	2,186	61	3,473
U. Southern Mississippi	168	6,970	8,034	9,400	219	4	4,589	1,097	0	30	0	3,461
California State U., Fullerton	169	2,643	4,242	8,931	2,131	758	1,117	2,455	0	747	429	1,294
U. Miami	170	711	4,537	8,699	4,557	307	1,519	614	1,520	0	163	19
New Jersey Institute of Technology	171	23,397	11,694	8,448	2,548	82	721	1,314	0	0	0	3,783
Texas Christian U.	172	2,261	2,926	8,428	1,481	0	3,918	2,425	0	7	496	101
U. Massachusetts, Lowell	173	7,397	8,832	8,411	2,049	0	523	2,748	0	0	320	2,771
Salisbury U.	174	5,596	6,262	8,380	1,137	137	2,876	190	3	2,647	92	1,298
Ohio U.	175	5,565	4,975	8,199	3,009	139	1,785	853	0	140	587	1,686
U. California, Riverside	176	6,186	5,900	8,147	219	0	2,521	2,634	0	0	219	2,554
CUNY, Hunter C.	177	2,962	7,692	8,108	0	0	1,827	1,883	269	137	313	3,679
Wake Forest U.	178	5,051	7,369	7,985	0	211	285	6,489	113	0	556	331
U. Puerto Rico, Rio Piedras	179	9,099	5,924	7,913	211	10	305	72	18	0	18	7,279
Villanova U.	180	5,526	7,073	7,785	1,877	51	505	3,823	613	0	35	881
U. New Mexico	181	5,184	5,803	7,587	2,373	931	1,477	522	663	0	214	1,407
Catholic U. of America	182	8,991	8,156	7,438	397	0	300	3,507	260	734	334	1,906
Rochester Institute of Technology	183	7,530	7,817	7,285	63	8	5,124	268	0	0	1,548	274
Loyola Marymount U.	184	7,383	6,745	7,270	265	59	3,834	763	2,160	0	37	152
U. Idaho	185	3,259	3,405	7,208	884	131	1,976	460	572	0	473	2,712
U. California, Merced	186	6,097	4,702	7,174	450	103	829	1,426	0	42	712	3,612
U. Wisconsin-Milwaukee	187	6,083	6,317	7,142	81	342	1,025	2,850	0	1,059	121	1,664
U. New Orleans	188	3,581	7,222	6,979	222	0	296	1,046	0	9	470	4,936
Rowan U.	189	372	226	6,955	1,806	256	441	26	442	0	1,688	2,296
Morgan State U.	190	1,740	4,304	6,783	815	662	3,534	284	0	662	32	794
Howard U.	191	970	948	6,714	1,565	4,420	516	0	0	213	0	0
DePaul U.	192	1,382	2,233	6,702	907	25	833	936	438	294	192	3,077
East Carolina U.	193	9,609	8,709	6,633	2,964	33	1,493	1,162	0	227	65	689
SUNY, Stony Brook U.	194	4,113	4,347	6,620	269	465	1,404	2,723	0	1,027	683	49
U. Colorado Anschutz Medical Campus	195	1,328	2,142	6,448	0	0	426	151	0	209	0	5,662
Bowling Green State U.	196	6,202	5,979	6,425	59	0	4,501	331	0	0	542	992
New School	197	4,119	6,625	6,386	0	129	2,766	1,093	0	402	1,169	827

TABLE 58

Higher education R&D expenditures in non-science and engineering fields, ranked by all FY 2023 non-S&E fields: FYs 2021–23 and by subfield for FY 2023

(Dollars in thousands)

Institution	Rank	2021	2022	2023									
				All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Non-S&E nec	
Tennessee State U.	198	181	i 187	6,366	0	0	1	8	0	23	71	6,263	
U. San Diego	199	3,806	5,029	6,364	1,379	150	1,719	368	1,731	0	146	871	
Oregon State U.	200	5,737	5,928	6,360	0	0	0	0	0	0	0	6,360	
Miami U.	201	2,093	6,144	6,148	1,421	225	1,005	673	0	74	522	2,228	
U. Colorado Denver	202	4,972	4,957	6,059	361	16	3,354	0	25	37	160	2,106	
Northern Illinois U.	203	5,904	6,348	6,047	445	264	838	0	0	0	344	4,156	
Louisiana Tech U.	204	6,637	5,207	6,008	3,613	162	1,401	288	0	0	475	69	
High Tech High Graduate School of Ed.	205	5,032	6,203	5,939	0	0	5,939	0	0	0	0	0	
Naval Postgraduate School	206	6,861	5,161	5,719	1,263	236	779	0	0	0	0	3,441	
Rice U.	207	6,601	5,892	5,578	716	0	2,578	1,669	0	0	227	388	
Towson U.	208	504	2,563	5,376	1,091	566	1,252	1,098	3	0	781	585	
U. Toledo	209	1,540	4,834	5,371	389	0	3,997	4	0	595	0	386	
Northwest Indian C.	210	3,958	i 4,841	5,338	i 0	i 69	i 5,269	i 0	i 0	i 0	i 0	i 0	
California Polytechnic State U., San Luis Obispo	211	3,412	4,155	5,277	3,090	50	1,419	699	0	0	0	19	
Old Dominion U.	212	3,854	4,982	5,230	709	0	3,921	317	0	0	116	167	
Naval War C.	213	4,748	4,600	5,019	0	0	0	0	0	0	0	5,019	
U. Tulsa	214	761	960	4,944	111	0	540	1,129	21	0	21	3,122	
Utah State U.	215	3,084	4,887	4,877	6	27	2,474	611	0	23	13	1,723	
U. San Francisco	216	368	578	4,831	1,522	288	700	2,082	0	0	41	198	
Tarleton State U.	217	3,041	3,262	4,801	1,798	219	1,554	429	503	0	0	298	
Rutgers, State U. New Jersey, Newark	218	3,602	5,039	4,689	2,343	0	383	243	685	3	121	911	
Claremont Graduate U.	219	3,954	5,562	4,564	2,709	0	1,855	0	0	0	0	0	
Case Western Reserve U.	220	1,935	1,156	4,423	1,299	0	2,267	0	223	0	0	634	
Texas A&M U.-Corpus Christi	221	3,430	4,023	4,371	13	2	1,410	98	0	0	6	2,842	
Worcester Polytechnic Institute	222	1,452	3,377	4,315	1,856	0	648	745	0	0	0	1,066	
California State U., Sacramento	223	3,627	3,407	4,298	931	0	2,724	258	0	116	116	153	
Marshall U.	224	2,065	2,710	4,175	1,177	0	1,312	475	0	0	0	1,211	
Southern Connecticut State U.	225	2,883	2,983	4,095	1,357	12	359	1,269	0	282	543	273	
Pacific U.	226	923	1,414	4,071	0	0	3,707	302	0	0	0	62	
Southern Illinois U., Carbondale	227	0	0	4,059	551	308	1,385	194	26	140	414	1,041	
Western U. of Health Sciences	228	1,090	1,986	3,983	0	0	3,983	0	0	0	0	0	
U. Missouri, Kansas City	229	2,099	1,972	3,963	1,372	10	919	276	152	3	191	1,040	
Winston-Salem State U.	230	1,233	4,758	3,941	0	0	422	0	0	0	0	3,519	

TABLE 58

Higher education R&D expenditures in non-science and engineering fields, ranked by all FY 2023 non-S&E fields: FYs 2021–23 and by subfield for FY 2023

(Dollars in thousands)

Institution	Rank	2021	2022	2023								
				All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Non-S&E nec
U. Hawaii, Manoa	231	3,076	3,355	3,850	59	525	1,143	131	75	856	1	1,060
U. Northern Colorado	232	850	906	3,844	773	173	1,988	0	0	0	780	130
Kean U.	233	3,145	1,341	3,785	748	81	734	724	80	153	300	965
U. Dayton	234	1,487	2,058	3,759	533	18	2,766	58	0	126	192	66
Sam Houston State U.	235	6,893	4,219	3,713	86	0	493	3	0	0	0	3,131
Prairie View A&M U.	236	2,715	3,068	3,664	15	0	696	500	2,236	0	0	217
Long Island U.	237	4,407	3,505	3,645	1,041	0	761	1,204	0	420	0	219
Lawrence Technological U.	238	1,091	2,102	3,632	3,471	0	0	0	0	0	0	161
Hofstra U.	239	2,438	2,981	3,538	966	240	607	725	665	0	331	4
Providence C.	240	11	ne	3,519	0	0	3,006	41	0	0	109	363
Pepperdine U.	241	1,091	1,082	3,468	1,135	230	879	655	359	0	146	64
Lehigh U.	242	2,161	3,407	3,390	103	10	2,793	221	0	0	0	263
Bryn Mawr C.	243	4,184	3,584	3,363	0	0	64	2,626	0	436	237	0
Nova Southeastern U.	244	328	3,403	3,313	1,096	168	478	129	1,270	0	31	141
Michigan Technological U.	245	3,208	3,104	3,294	1,906	0	125	848	0	0	415	0
U. of the District of Columbia	246	1,050	1,304	3,286	220	470	384	0	20	254	0	1,938
Ball State U.	247	2,564	2,528	3,271	1,022	336	381	204	0	152	151	1,025
U. South Dakota	248	4,646	4,182	3,251	451	142	322	512	627	348	475	374
Western Washington U.	249	2,405	3,312	3,158	69	92	1,689	933	0	0	292	83
Wesleyan U.	250	2,413	2,867	3,142	0	756	1,296	758	0	0	302	30
U. Baltimore	251	11,757	3,761	3,111	0	0	5	0	52	0	0	3,054
Northern Arizona U.	252	1,571	2,397	3,054	1,128	38	1,738	77	48	23	0	2
U. Rochester	253	2,197	2,541	3,020	120	0	1,702	70	0	0	17	1,111
Colorado School of Mines	254	1,979	7,540	3,007	83	0	2,225	6	0	0	0	693
Augusta U.	255	65	2,187	2,963	655	13	661	0	0	0	1,560	74
U. Oklahoma, Tulsa	256	3,753	4,006	2,961	0	0	2,227	0	0	557	0	177
Boise State U.	257	2,898	2,921	2,938	987	39	1,025	314	0	99	205	269
Middle Tennessee State U.	258	8,291	7,900	2,919	332	74	364	1,225	0	0	890	34
Duquesne U.	259	2,932	3,565	2,915	1,052	0	511	123	555	0	0	674
California State U., Long Beach	260	924	2,026	2,836	44	91	326	321	0	1,277	115	662
California State U., Bakersfield	261	1,645	2,119	2,819	391	0	1,920	145	25	76	60	202
Grinnell C.	262	1,993	3,026	2,811	0	0	346	1,628	0	0	627	210
Suffolk U.	263	1,408	1,022	2,754	928	0	0	6	1,820	0	0	0

TABLE 58

Higher education R&D expenditures in non-science and engineering fields, ranked by all FY 2023 non-S&E fields: FYs 2021–23 and by subfield for FY 2023

(Dollars in thousands)

Institution	Rank	2021	2022	2023									
				All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Non-S&E nec	
New Mexico Institute of Mining and Technology	264	258	2,373	2,702	185	0	0	4	0	0	0	2,513	
U. North Carolina, Asheville	264	1,695	2,241	2,702	69	3	724	277	0	805	0	824	
California State Polytechnic U., Pomona	266	133	909	2,688	0	5	439	0	0	0	0	2,244	
West Chester U. Pennsylvania	267	2,056	2,717	2,579	446	43	500	265	0	120	139	1,066	
Clarkson U.	268	1,253	2,338	2,577	794	150	536	59	0	1	1	1,036	
Eastern Michigan U.	269	2,391	3,516	2,537	665	63	583	479	112	307	310	18	
North Carolina Central U.	270	2,265	2,186	2,453	i 86	i 0	i 2,323	i 0	i 0	i 44	i 0	i 0	
Indiana U. Pennsylvania	271	2,931	2,243	2,441	965	224	255	812	59	0	7	119	
Erikson Institute	272	1,723	2,068	2,414	0	0	2,414	0	0	0	0	0	
La Sierra U.	273	1,511	2,165	2,405	i 144	i 1	i 1,215	i 467	i 0	i 0	i 98	i 480	
U. Tennessee, Chattanooga	274	1,812	2,294	2,401	1,966	18	180	115	0	0	6	116	
San Francisco State U.	275	2,886	2,558	2,352	232	179	876	57	7	202	361	438	
Sacred Heart U.	276	798	ne	2,342	971	78	423	2	0	325	91	452	
Texas A&M International U.	277	1,404	1,785	2,315	299	0	522	1	0	0	18	1,475	
Purdue U., Northwest	278	1,387	1,768	2,308	795	0	675	115	0	0	198	525	
Texas A&M U.-Commerce	279	1,796	1,381	2,287	177	36	886	65	0	22	105	996	
Winthrop U.	280	1,145	2,263	2,206	16	3	2,139	0	0	2	45	1	
U. Missouri, Saint Louis	281	3,148	3,068	2,154	201	14	914	112	0	326	6	581	
Pennsylvania State U., Harrisburg	282	286	1,095	2,136	426	0	1,316	4	0	390	0	0	
U. Ana G. Mendez, Gurabo	283	52	115	i 2,132	0	1,318	814	0	0	0	0	0	
Yeshiva U.	284	1,369	1,086	2,040	81	0	662	0	944	353	0	0	
Sul Ross State U.	285	1,193	i 1,615	i 2,037	0	0	1,038	0	0	0	0	999	
St. Cloud State U.	286	1,200	1,510	2,010	5	1	1,963	22	0	0	3	16	
New Mexico State U.	287	1,060	1,408	2,003	212	36	567	54	0	256	41	837	
CUNY, system office	288	0	40	1,978	0	0	46	0	0	0	0	1,932	
Seattle U.	289	1,053	816	1,906	471	81	536	141	503	68	71	35	
Hope C.	290	782	859	1,828	0	4	644	811	0	0	36	333	
Azusa Pacific U.	291	2,852	1,498	1,801	338	0	211	617	0	190	7	438	
U. Nebraska, Omaha	292	1,452	1,366	1,793	140	6	771	112	0	0	21	743	
Loyola U., Chicago	293	1,694	1,987	1,789	27	0	503	74	67	260	15	843	
Creighton U.	294	1,604	i 1,759	i 1,788	i 410	i 69	i 449	i 241	i 190	i 112	i 56	i 261	
Rutgers, State U. New Jersey, Camden	295	1,259	1,288	1,771	0	0	8	13	91	0	1,659	0	
Virginia State U.	296	1,339	2,174	1,766	1	0	1,435	0	0	0	0	330	

TABLE 58

Higher education R&D expenditures in non-science and engineering fields, ranked by all FY 2023 non-S&E fields: FYs 2021–23 and by subfield for FY 2023

(Dollars in thousands)

Institution	Rank	2021	2022	2023									
				All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Non-S&E nec	
Tennessee Technological U.	297	771	1,150	1,743	194	0	409	15	0	0	5	1,120	
Stevens Institute of Technology	298	2,073	1,575	1,738	497	0	1,012	229	0	0	0	0	
California State U., San Bernardino	299	3,608	3,608	1,703	16	8	1,255	38	0	10	12	364	
Norfolk State U.	300	8	359	1,686	0	131	945	0	0	0	0	610	
Saint Joseph's U.	301	1,524	1,732	1,660	781	7	839	28	0	0	5	0	
Fayetteville State U.	302	1,661	1,461	1,629	i 217	i 285	i 1,070	i 0	i 1	i 0	i 56	i 0	
CUNY, Baruch C.	303	224	934	1,626	56	39	10	301	0	0	23	1,197	
Swarthmore C.	304	900	1,342	1,621	0	0	240	476	0	0	867	38	
Williams C.	305	i 1,342	i 1,408	i 1,607	i 0	i 0	i 0	i 1,001	i 46	i 0	i 560	i 0	
Reed C.	306	i 1,450	i 1,397	i 1,596	i 0	i 0	i 0	i 1,596	i 0	i 0	i 0	i 0	
Texas Tech U., Health Sciences Center	307	1,016	1,613	1,566	0	0	1,441	0	0	0	0	125	
Pratt Institute	308	2,547	2,325	1,558	0	0	0	0	0	0	0	1,558	
U. Washington, Bothell	309	6,065	4,831	1,536	110	12	1,390	0	0	0	0	24	
U. Alaska, Fairbanks	310	2,034	1,856	1,535	32	47	996	3	0	0	0	457	
Hamilton C.	311	966	1,064	1,517	0	0	484	502	0	0	402	129	
U. Central Oklahoma	312	i 4,508	i 1,358	i 1,513	i 824	i 0	i 0	i 599	i 0	i 0	i 90	i 0	
Lewis and Clark C.	313	1,345	1,448	1,508	0	2	50	122	1,324	0	10	0	
Trinity C., Hartford	314	55	147	1,491	0	0	0	1,126	0	0	206	159	
U. Illinois, Springfield	315	326	799	1,490	1	0	256	39	0	0	0	1,194	
U. Massachusetts, Dartmouth	316	743	1,284	1,488	4	4	1,054	0	0	0	157	269	
Hartford International U. for Religion and Peace	317	ne	ne	1,485	0	0	0	1,485	0	0	0	0	
CUNY, Brooklyn C.	318	550	788	1,465	4	0	223	76	0	0	74	1,088	
U. Arkansas, Little Rock	319	501	796	1,460	31	0	681	4	566	0	0	178	
Texas A&M U.-Kingsville	320	2,298	1,593	1,451	11	0	1,312	4	0	1	0	123	
Babson C.	321	i 1,286	i 1,270	i 1,430	i 303	i 0	i 0	i 732	i 21	i 0	i 374	i 0	
Lipscomb U.	322	19	ne	1,427	392	0	819	169	0	0	0	47	
Seton Hall U.	323	4,317	4,535	1,396	127	84	699	41	423	22	0	0	
Wellesley C.	324	1,551	1,812	1,375	0	0	1,125	75	0	0	0	175	
Southern Illinois U., Edwardsville	325	4,441	959	1,370	39	0	0	432	19	0	291	589	
SUNY, C. of Environmental Science and Forestry	326	295	1,281	i 1,364	89	0	409	0	0	260	0	606	
Central Michigan U.	327	1,336	1,101	1,363	353	40	82	29	0	0	10	849	
Pace U.	328	1,303	1,370	1,361	180	0	919	26	168	0	0	68	
Texas Tech U., Health Sciences Center, El Paso	329	805	1,133	1,360	0	0	1,120	0	0	0	0	240	

TABLE 58

Higher education R&D expenditures in non-science and engineering fields, ranked by all FY 2023 non-S&E fields: FYs 2021–23 and by subfield for FY 2023

(Dollars in thousands)

Institution	Rank	2021	2022	2023								
				All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Non-S&E nec
U. Puerto Rico, Mayaguez	330	2,046	2,360	1,344	541	0	318	94	0	182	0	209
Texas Southern U.	331	1,248	1,544	1,315	0	0	0	0	0	0	0	1,315
Arcadia U.	332	604	ne	1,278	0	0	1,183	0	0	0	95	0
U. Colorado Colorado Springs	333	843	981	1,272	10	63	505	53	0	20	11	610
California State U., Northridge	334	1,353	1,914	1,264	152	0	886	34	192	0	0	0
Embry-Riddle Aeronautical U.	335	776	1,268	1,242	59	955	0	0	0	0	0	228
Franklin and Marshall C.	336	1,523	1,611	1,234	12	3	211	117	0	0	59	832
MGH Institute of Health Professions	337	537	1,177	1,226	0	0	1,226	0	0	0	0	0
Elon U.	338	1,111	865	1,225	403	222	124	265	0	0	189	22
U. South Alabama	339	1,110	1,571	1,214	0	0	1,209	0	0	0	5	0
U. Texas of the Permian Basin	340	1,236	1,203	1,208	133	31	770	270	0	0	4	0
Calvin U.	341	1,253 i	1,642 i	1,207 i	0 i	286 i	73 i	806 i	0 i	0 i	9 i	33 i
California State Polytechnic U., Humboldt	342	454	627	1,170	0	0	891	0	0	11	3	265
Johnson C. Smith U.	343	2,157 i	2,291	1,153	0	0	60	0	0	634	0	459
Amherst C.	344	410 i	723	1,098	0	0	0	903	0	0	195	0
Appalachian State U.	345	859	888	1,088	119	0	473	118	0	10	0	368
U. Alaska, Anchorage	346	742	1,399	1,083	105	0	487	0	0	214	0	277
South Carolina State U.	347	594 i	830 i	1,067	177	890	0	0	0	0	0	0
U. Houston-Downtown	348	834	937	1,060	0	63	930	0	0	0	0	67
C. Charleston	349	1,252	1,192	1,024	259	24	214	289	0	0	65	173
U. South Carolina, Aiken	350	48	639	1,010	15	1	10	984	0	0	0	0
Purdue U., Fort Wayne	351	1,178	771	1,006	69	0	79	89	0	0	19	750
U. Central Arkansas	352	2,051	1,057	992	30	0	916	33	0	0	5	8
Drake U.	353	704	792	967	0	0	590	0	357	0	0	20
Eastern Connecticut State U.	354	795	822	952	43	0	214	531	0	0	164	0
Colgate U.	355	499	952	939	0	0	69	778	0	0	92	0
South Dakota State U.	356	389	526	936	0	92	199	6	0	0	0	639
U. North Georgia	357	819	783	910	20	0	759	37	0	0	0	94
Fort Lewis C.	358	20	573	906	0	0	168	372	0	0	0	366
Smith C.	359	452	795	891	0	0	69	454	0	4	297	67
Jackson State U.	360	1,335	1,363	872	0	0	695	175	0	0	2	0
Roger Williams U.	361	384	467	858	138	0	261	0	54	184	15	206
Coastal Carolina U.	362	183	769	851	176	35	242	149	0	0	249	0

TABLE 58

Higher education R&D expenditures in non-science and engineering fields, ranked by all FY 2023 non-S&E fields: FYs 2021–23 and by subfield for FY 2023

(Dollars in thousands)

Institution	Rank	2021	2022	2023								
				All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Non-S&E nec
Stephen F. Austin State U.	362	684	777	851	9	0	393	74	0	200	36	139
Western Kentucky U.	364	852	617	840	130	42	191	151	0	241	75	10
East Stroudsburg U. Pennsylvania	365	ne	550	828	3	2	811	0	0	0	4	8
CUNY, C. Staten Island	366	134	347	820	9	0	26	17	25	0	26	717
U. Richmond	367	177	323	810	359	168	0	166	10	0	46	61
Lamar U.	368	1,580	1,082	808	291	51	353	63	0	0	4	46
Trinity U.	369	307	581	800	34	85	25	639	0	0	17	0
Alabama A&M U.	370	455 i	386 i	798 i	115 i	30 i	336 i	60 i	0 i	64 i	20 i	173 i
Colorado C.	371	4,781	2,119	797	0	8	43	377	0	0	369	0
Oakland U.	372	598	953	790	32	28	730	0	0	0	0	0
California State U., San Marcos	373	993	854	789	52	0	479	65	0	0	0	193
CUNY, New York City C. of Technology	374	338	431	781	9	19	27	33	0	0	3	690
CUNY, Queens C.	375	1,117	407	776	2	61	487	114	0	0	10	102
U. Washington, Tacoma	375	429	562	776	0	0	705	0	0	71	0	0
Santa Clara U.	377	352	659	774	34	1	519	71	130	0	0	19
CUNY, Lehman C.	378	1,213	719	770	4	0	244	27	0	0	7	488
Gallaudet U.	378	10	273	770	0	400	0	0	0	0	0	370
California State U., Los Angeles	380	490	519	769	0	0	641	5	0	0	0	123
California State U., Chico	381	575	606	766	0	0	517	0	0	128	0	121
California State U., Dominguez Hills	382	705	1,299	763	68	22	323	237	0	0	21	92
U. Nebraska, Kearney	383	334	813	748	0	405	214	8	0	0	8	113
U. Akron	384	593	494	747	111	47	59	105	192	49	77	107
U. Maryland Center for Environmental Science	384	879	904	747	0	0	747	0	0	0	0	0
U. Wisconsin-Oshkosh	384	224	501	747	12	21	416	93	0	0	171	34
Marymount U.	387	495	303	735	268	0	102	278	0	0	87	0
Texas A&M U.-San Antonio	387	ne	73	735	7	0	238	45	0	0	0	445
Bucknell U.	389	340	385	730	117	0	7	418	0	0	123	65
Delaware State U.	390	3,999	5,582	725	0	0	371	0	0	319	0	35
Willamette U.	391	1,007	945	724	72	4	0	78	321	0	2	247
Austin Peay State U.	392	657	758	710	0	0	9	0	0	0	651	50
Northwestern State U. Louisiana	393	419	614	685 i	225 i	261 i	125 i	0 i	0 i	6 i	61 i	7 i
U. Virginia's C. Wise	394	1,964	1,721	680	282	0	238	0	0	0	0	160
U. of Mary Washington	395	687	806	670	485	0	5	172	0	0	6	2

TABLE 58

Higher education R&D expenditures in non-science and engineering fields, ranked by all FY 2023 non-S&E fields: FYs 2021–23 and by subfield for FY 2023

(Dollars in thousands)

Institution	Rank	2021	2022	2023								
				All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Non-S&E nec
Southern U. and A&M C., Baton Rouge	396	1,044	671	662	0	0	20	592	0	0	0	50
Troy U.	397	154	246	658	62	0	375	0	0	85	0	136
Indiana State U.	398	365	426	654	5	0	639	0	0	0	0	10
Missouri U. of Science and Technology	399	2,768	2,115	651	0	50	182	22	0	0	0	397
Elizabeth City State U.	400	398	544	641	0	0	462	179	0	0	0	0
Sonoma State U.	401	79	318	640	0	5	601	33	0	0	0	1
Southeastern Louisiana U.	402	652	707	638	592	0	21	0	0	0	25	0
Bowie State U.	403	418	239	635	0	0	143	0	0	0	0	492
Biola U.	404	570 i	619	633	0	0	0	633	0	0	0	0
Fairfield U.	404	392	ne	633	244	27	60	254	0	16	32	0
Saginaw Valley State U.	406	42 i	546 i	606 i	52 i	11 i	398 i	45 i	93 i	0 i	7 i	0 i
U. North Carolina, Wilmington	406	1,605	2,419	606	248	0	245	0	0	0	24	89
California State U., Fresno	408	929	541	602	49	0	246	235	0	14	0	58
U. Michigan, Dearborn	409	298	414	592	217	0	78	61	0	0	0	236
Mercer U.	410	94	149	584	55	0	491	38	0	0	0	0
U. Minnesota, Duluth	411	491	425	582	206	0	81	31	0	17	52	195
Marian U., Indianapolis	412	ne	ne	581	0	0	520	61	0	0	0	0
Christopher Newport U.	413	283	385	574	101	150	0	183	0	0	140	0
U. Guam	414	454	773	573	0	0	573	0	0	0	0	0
Citadel Military C. South Carolina	415	557	868	571	17	22	498	0	0	0	0	34
West Texas A&M U.	416	906	694	570	0	0	533	0	0	0	0	37
Andrews U.	417	30	ne	568	0	2	5	561	0	0	0	0
Barnard C.	418	508	295	565	0	0	115	171	0	0	97	182
Pennsylvania State U., Behrend	419	407	479	547	146	0	222	173	0	3	3	0
Western Carolina U.	420	406	505	532	0	0	84	4	0	379	0	65
Bowdoin C.	421	305	358	530	0	0	259	161	0	0	57	53
Radford U.	422	ne	ne	528	64	0	207	20	0	4	15	218
Haverford C.	423	411 i	526 i	520 i	0 i	0 i	0 i	520 i	0 i	0 i	0 i	0 i
Indiana U., South Bend	423	184	ne	520	5	0	211	24	0	0	1	279
Colby C.	425	539	449	508	0	0	7	413	0	0	59	29
Mount Holyoke C.	426	181	244	506	0	56	117	203	0	0	77	53
Connecticut C.	427	0	192	488	0	0	0	213	0	0	0	275
Robert Morris U.	428	ne	433 i	486	273	30	111	26	0	0	37	9

TABLE 58

Higher education R&D expenditures in non-science and engineering fields, ranked by all FY 2023 non-S&E fields: FYs 2021–23 and by subfield for FY 2023

(Dollars in thousands)

Institution	Rank	2021	2022	2023								
				All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Non-S&E nec
U. Arkansas, Pine Bluff	429	0	0	482	0	0	0	256	0	226	0	0
Southern U., New Orleans	430	ne	ne	468	0	460	0	0	0	8	0	0
Saint John's U.	431	352 i	406 i	463 i	36 i	7 i	221 i	144 i	0 i	0 i	55 i	0 i
Northeastern Illinois U.	432	543	561	455	0	0	455	0	0	0	0	0
Claremont McKenna C.	433	311	348	442	0	0	0	442	0	0	0	0
C. of Saint Benedict	434	322 i	372 i	425 i	36 i	6 i	203 i	129 i	0 i	0 i	51 i	0 i
Grand Valley State U.	435	494	512	413	11	0	0	0	0	0	0	402
Nevada State C.	436	ne	0	404	0	0	404	0	0	0	0	0
Carleton C.	437	816	687	395 i	0 i	0 i	0 i	215 i	0 i	0 i	180 i	0 i
Northern Michigan U.	438	237	288	392	107	0	13	180	0	0	33	59
Pomona C.	439	268	262	386	0	31	13	171	0	0	171	0
Morehouse C.	440	431	608	379	201	0	0	0	0	0	175	3
Bentley U.	441	ne	286	377	0	0	376	0	0	0	0	1
Hampton U.	442	488	413	371	324	0	0	0	0	0	0	47
U. Wisconsin-La Crosse	443	154	164	360	110	3	0	81	0	0	27	139
U. Tennessee, Health Science Center	444	0	0	359	0	0	0	0	0	0	0	359
Dine C.	445	ne	0	356	0	0	306	0	0	0	0	50
Northern Kentucky U.	446	137	111	353	0	3	0	233	0	15	97	5
Minnesota State U., Mankato	447	136	40	344	10	0	0	82	0	0	0	252
Spelman C.	448	396	277	319	0	0	0	0	0	0	0	319
Black Hills State U.	449	76	80	317	8	0	289	0	0	0	0	20
Dillard U.	450	795	524	304	0	0	178	115	11	0	0	0
Texas Woman's U.	451	1,093	1,371	302	8	0	294	0	0	0	0	0
U. of St. Thomas (MN)	452	675	540	297	0	0	15	9	2	0	0	271
U. Hawaii, Maui C.	453	110	ne	295	0	0	295	0	0	0	0	0
Davidson C.	454	187	200	294	0	10	149	88	0	0	0	47
Idaho State U.	455	207	254	293	0	0	195	8	3	0	16	71
Northland C.	456	215 i	254 i	291 i	66 i	0 i	157 i	68 i	0 i	0 i	0 i	0 i
Lincoln U.	457	ne	ne	286	0	0	52	0	0	158	0	76
California Institute of Technology	458	16,133 i	30,663	279 i	0 i	0 i	0 i	279 i	0 i	0 i	0 i	0 i
Tougaloo C.	459	0 i	238 i	271 i	17 i	0 i	152 i	14 i	0 i	21 i	1 i	66 i
Wheaton C., Wheaton	460	51	ne	270	0	0	16	254	0	0	0	0
Central Connecticut State U.	461	307	204	268	22	0	171	64	0	5	6	0

TABLE 58

Higher education R&D expenditures in non-science and engineering fields, ranked by all FY 2023 non-S&E fields: FYs 2021–23 and by subfield for FY 2023

(Dollars in thousands)

Institution	Rank	2021	2022	2023								
				All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Non-S&E nec
U. of the Incarnate Word	462	87	275	267	36	0	0	0	0	0	0	231
U. California, Office of the President	463	386	72	265	0	0	0	0	0	0	0	265
Macalester C.	464	147	268	260	0	0	0	255	0	0	5	0
Western Illinois U.	464	138	145	260	0	0	157	0	0	0	0	103
Florida Polytechnic U.	466	103	159	258	258	0	0	0	0	0	0	0
Eastern Kentucky U.	467	89	ne	250	250	0	0	0	0	0	0	0
U. Wisconsin-Platteville	467	194 i	226 i	250 i	68 i	0 i	140 i	34 i	0 i	0 i	8 i	0 i
U. Texas, Tyler	469	165	261	249	36	5	178	0	0	0	0	30
Clark U.	470	181	243	246	0	0	184	0	0	0	0	62
SUNY, Geneseo	470	223	232	246	23	13	5	174	0	0	8	23
U.S. Military Academy	470	656	402	246	0	0	0	246	0	0	0	0
Abilene Christian U.	473	185	237	241	0	0	10	177	0	2	0	52
Florida Institute of Technology	473	957	778	241	174	0	7	0	0	0	0	60
Alabama State U.	475	0	32	240	0	155	0	0	0	0	0	85
St. John's U., New York	476	244	347	237	0	2	72	40	11	0	0	112
Middlebury C.	477	0	136	233	0	0	0	205	0	0	28	0
Teachers C., Columbia U.	477	32	57	233	0	0	233	0	0	0	0	0
U. Wisconsin-River Falls	479	162	ne	232	0	0	10	0	0	0	0	222
U. Northern Iowa	480	79	43	228	0	0	169	27	0	20	4	8
Union C., Schenectady	481	43	170	217	0	0	0	131	0	0	86	0
United Tribes Technical C.	482	ne	ne	216	0	0	216	0	0	0	0	0
Liberty U.	483	215	ne	215	44	52	0	113	0	0	0	6
Lafayette C.	484	156	256	213	0	0	0	126	0	0	36	51
Norwich U.	485	ne	ne	210	0	0	0	2	0	0	0	208
Clark Atlanta U.	486	180	12	207	0	0	199	0	0	8	0	0
U. Scranton	487	ne	ne	202	24	5	0	168	0	0	0	5
California State U., Channel Islands	488	79	85	201	6	0	99	36	0	0	2	58
U. Southern Maine	488	139	200	201	0	0	3	0	0	0	87	111
U. Wisconsin-Superior	490	4	14	198	0	0	0	0	0	0	0	198
Oberlin C.	491	74	ne	197	0	20	0	83	0	0	92	2
U. Wisconsin-Green Bay	492	127 i	197 i	195 i	37 i	8 i	66 i	22 i	0 i	12 i	0 i	50 i
C. Wooster	493	246 i	274	193	0	21	0	81	0	0	75	16
Illinois Institute of Technology	494	156	81	187	83	0	42	0	0	0	0	62

TABLE 58

Higher education R&D expenditures in non-science and engineering fields, ranked by all FY 2023 non-S&E fields: FYs 2021–23 and by subfield for FY 2023

(Dollars in thousands)

Institution	Rank	2021	2022	2023								
				All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Non-S&E nec
SUNY, Polytechnic Institute	495	124	161	180	0	0	0	180	0	0	0	0
U. Puerto Rico, Ponce	495	ne	ne	180	0	0	0	0	0	0	0	180
St. Olaf C.	497	89	ne	177	0	0	29	82	0	0	40	26
Gettysburg C.	498	ne	ne	176	0	0	0	137	0	0	39	0
Whitman C.	498	ne	169	176	0	0	0	156	0	0	20	0
Langston U.	500	255	233	174	0	0	73	0	0	57	0	44
U. South Carolina, Beaufort	500	ne	ne	174	5	0	0	164	0	0	0	5
Vassar C.	502	108	366	170	0	0	3	138	0	0	29	0
William Paterson U.	503	3,867	3,635	167	95	0	39	17	0	2	2	12
U. Detroit Mercy	504	156	94	156	8	3	0	48	0	0	0	97
Skidmore C.	505	66	129	152	42	0	1	0	0	11	52	46
U.S. Coast Guard Academy	505	ne	ne	152	0	0	0	66	0	0	0	86
Gustavus Adolphus C.	507	ne	ne	148	0	46	64	19	0	0	19	0
U. Houston-Clear Lake	508	317	88	147	0	0	75	2	0	0	0	70
Ithaca C.	509	64	91	145	0	11	20	16	0	0	29	69
Franklin W. Olin C. of Engineering	510	691	174	138	0	0	138	0	0	0	0	0
U. New Haven	510	54	147	138	39	0	99	0	0	0	0	0
California State U., Monterey Bay	512	38	61	129	0	1	5	0	0	87	28	8
Manhattan C.	512	342	323	129	0	0	113	0	0	0	16	0
CUNY, York C.	514	73	107	128	11	0	79	3	0	0	0	35
Virginia Military Institute	515	ne	60	127	0	0	0	127	0	0	0	0
Butler U.	516	ne	198	126	18	52	0	0	0	0	8	48
U.S. Air Force Academy	516	0	2	126	65	0	0	0	0	0	0	61
SUNY, Cobleskill	518	ne	0	125	125	0	0	0	0	0	0	0
Hobart and William Smith Colleges	519	55	144	117	3	7	13	51	0	0	29	14
U. Puget Sound	520	ne	62	116	0	0	0	4	0	0	2	110
Arkansas State U., Jonesboro	521	43	73	114	81	0	16	1	0	0	16	0
Des Moines U.	521	253	227	114	0	0	53	19	7	0	0	35
SUNY, Oswego	523	37	24	110	24	4	44	3	0	0	35	0
Monmouth U.	524	0	10	104	9	0	72	5	0	18	0	0
Grambling State U.	525	886	150	102	0	0	0	102	0	0	0	0
Bryant U.	526	ne	ne	101	86	0	0	10	0	0	5	0
U. Alaska, Southeast	527	0	0	99	0	0	99	0	0	0	0	0

TABLE 58

Higher education R&D expenditures in non-science and engineering fields, ranked by all FY 2023 non-S&E fields: FYs 2021–23 and by subfield for FY 2023

(Dollars in thousands)

Institution	Rank	2021	2022	2023								
				All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Non-S&E nec
Merrimack C.	528	ne	ne	95	6	2	12	11	0	0	0	64
Bates C.	529	43	91	82	0	0	40	10	0	0	32	0
Alaska Pacific U.	530	2	39	81	0	0	81	0	0	0	0	0
Occidental C.	531	64	71	80	0	0	80	0	0	0	0	0
Wright State U.	531	407	223	80	65	0	0	0	0	0	0	15
California State U., Stanislaus	533	29	83	76	0	0	0	33	0	8	33	2
Furman U.	534	655	33	74	0	0	68	0	0	0	0	6
New C. Florida	535	ne	ne	73	0	0	0	65	0	0	8	0
U. Wisconsin-Eau Claire	536	75	34	66	0	0	23	22	0	21	0	0
Ferris State U.	537	ne	ne	64	0	0	64	0	0	0	0	0
C. New Jersey	538	84	163	63	8	4	22	19	0	0	10	0
Pennsylvania State U., Altoona	539	ne	ne	62	0	0	0	62	0	0	0	0
Harvey Mudd C.	540	31	55	49	0	0	0	49	0	0	0	0
U. Hartford	540	5	35	49	0	14	0	26	0	0	9	0
Kenyon C.	542	ne	69	46	0	0	0	36	0	0	10	0
CUNY, Advanced Science Research Center	543	3	8	35	0	0	12	0	0	0	1	22
Central Washington U.	544	10	42	34	15	5	8	0	3	0	0	3
SUNY, Buffalo State U.	545	27	52	33	0	0	33	0	0	0	0	0
SUNY, C. Brockport	546	3	53	30	0	0	0	0	0	0	0	30
U. Louisiana, Monroe	546	63	41	30	0	0	0	0	0	0	0	30
Murray State U.	548	87	26	24	0	0	0	13	0	0	0	11
Xavier U. Louisiana	549	139	15	22	0	0	0	4	0	0	0	18
Northeast Ohio Medical U.	550	0	0	21	0	0	0	12	0	9	0	0
Thomas Jefferson U.	550	29	6	21	0	0	0	0	0	0	0	21
Lincoln Memorial U.	552	ne	ne	19	0	0	0	0	0	0	0	19
Oklahoma State U., Center for Health Sciences	552	6	61	19	19	0	0	0	0	0	0	0
Tuskegee U.	554	0	44	17	0	0	0	0	0	17	0	0
U. New England	555	5	23	16	6	0	0	10	0	0	0	0
Milwaukee School of Engineering	556	0	0	14	14	0	0	0	0	0	0	0
New Mexico Highlands U.	556	15	14	14	0	0	0	0	0	0	0	14
U. Hawaii, Hilo	556	32	46	14	0	0	0	14	0	0	0	0
Albany State U.	559	182	ne	12	0	0	12	0	0	0	0	0
New York Institute of Technology	559	76	78	12	0	0	12	0	0	0	0	0

TABLE 58

Higher education R&D expenditures in non-science and engineering fields, ranked by all FY 2023 non-S&E fields: FYs 2021–23 and by subfield for FY 2023

(Dollars in thousands)

Institution	Rank	2021	2022	2023										
				All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Non-S&E nec		
St. Mary's C. Maryland	559	ne	ne	12	0	0	12	0	0	0	0	0	0	
Framingham State U.	562	288 i	148 i	7	0	4	3	0	0	0	0	0	0	
Youngstown State U.	562	485	83	7	0	0	0	3	0	0	0	4	0	
Utah Valley U.	564	ne	45	6	0	0	0	6	0	0	0	0	0	
Loma Linda U.	565	241	19	5	5	0	0	0	0	0	0	0	0	
Touro U., New York ^d	565	ne	ne	5	0	0	0	0	0	0	0	0	5	
Hawaii Pacific U.	567	32	828	3	0	0	0	0	0	0	0	0	3	
Fisk U.	568	177	123	2	0	0	0	2	0	0	0	0	0	
West Virginia School of Osteopathic Medicine	568	10	2	2 i	0 i	0 i	2 i	0 i	0 i	0 i	0 i	0 i	0 i	
Lincoln U., Jefferson City	570	0	0	1 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	1 i	
All other surveyed institutions	-	61,081	54,577	0	0	0	0	0	0	0	0	0	0	

i = imputed. na = not applicable; institution did not exist or did not exist as a separate entity. ne = not eligible; institution did not meet the criteria for inclusion.

nec = not elsewhere classified; S&E = science and engineering.

^a The University of Maryland includes expenditures from the University of Maryland, Baltimore and University of Maryland, College Park campuses. In FY 2019, the two campuses began reporting as one research unit to reflect their new strategic partnership. This relationship was codified through the University of Maryland Strategic Partnership Act passed by the Maryland General Assembly in 2016. Prior to FY 2019, both campuses reported to the survey as separate institutions.

^b The University of Nebraska, Lincoln and Medical Center includes expenditures from the University of Nebraska, Lincoln; University of Nebraska, Medical Center; and University of Nebraska, Central Administration campuses. Due to a realignment within the University of Nebraska system that occurred on 22 June 2023, the three campuses fall under the leadership of one president. Prior to FY 2023, these three campuses reported to the survey as separate institutions.

^c Johns Hopkins University includes the Applied Physics Laboratory (APL), with zero imputed for total non-S&E R&D expenditures in FY 2023. Total expenditures by field for Johns Hopkins University are flagged as imputed because APL was unable to distribute a portion of institutionally funded R&D by field.

^d Touro University, New York includes the Lovelace Biomedical Research Institute. In FY 2023, the Lovelace Biomedical Research Institute joined the Touro University System.

Note(s):

Institutions reporting zero expenditures in ranked total for FY 2023 are not listed in this table. Tied institutions are ranked alphabetically. Ranked institutions are geographically separate campuses headed by a campus-level president or chancellor. Some campuses are part of large, multi-campus universities; some are part of state university systems. For a complete list of campuses that belong to a larger university or system and their aggregate R&D expenditures, see table 6.

Source(s):

National Center for Science and Engineering Statistics, Higher Education Research and Development Survey.